

Recombinant Human BPIFA2 Protein, His-tagged

Cat. No. BPIFA2-2143H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BPIFA2 Protein (Glu19-Cys174) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu19-Cys174
Description	This gene encodes a member of the palate, lung and nasal epithelium clone (Plunc) family of proteins. Members of this family have been proposed to play a role in the local antibacterial response in nose, mouth and upper respiratory pathways. The encoded soluble salivary protein binds bacterial lipopolysaccharide (LPS) and inhibits bacterial growth. This gene is present in a gene cluster on chromosome 20. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.4 kDa Accurate Molecular Mass: 20 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BPIFA2 BPI fold containing family A member 2 [Homo sapiens (human)]
Official Symbol	BPIFA2
Synonyms	BPIFA2; BPI fold containing family A member 2; PSP; SPLUNC2; C20orf70; bA49G10.1; BPI fold-containing family A member 2 parotid secretory protein short palate, lung and nasal epithelium carcinoma-associated protein 2
Gene ID	140683
mRNA Refseq	NM_080574

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Protein Refseq	NP_542141
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UniProt ID	Q96DR5
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